

Refine Search

Search Results -

| Terms | Documents |
|--------------------|-----------|
| L40 near10 opening | 1 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L41

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---------------------------------|-----------------------------|----------------------------|---|
| <i>DB=USPT; PLUR=YES; OP=OR</i> | | | |
| <u>L41</u> | L40 near10 opening | 1 | <u>L41</u> |
| <u>L40</u> | "50:1" near4 "aspect ratio" | 147 | <u>L40</u> |
| <u>L39</u> | L38 | 12 | <u>L39</u> |
| <u>L38</u> | 4560458 | 12 | <u>L38</u> |
| <u>L37</u> | 6693038 | 1 | <u>L37</u> |
| <u>L36</u> | 6342449 | 3 | <u>L36</u> |
| <u>L35</u> | 634449 | 10 | <u>L35</u> |
| <u>L34</u> | L32 | 0 | <u>L34</u> |
| <u>L33</u> | L32 | 0 | <u>L33</u> |
| <i>DB=USOC; PLUR=YES; OP=OR</i> | | | |
| <u>L32</u> | 6342449 | 0 | <u>L32</u> |
| <u>L31</u> | L30 | 0 | <u>L31</u> |
| <i>DB=TDBD; PLUR=YES; OP=OR</i> | | | |

Refine Search

Search Results -

| Terms | Documents |
|---------|-----------|
| 6342449 | 3 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

4560458

Search History

DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---------------------------------|-----------------------------|----------------------------|---|
| side by side | | | |
| <i>DB=USPT; PLUR=YES; OP=OR</i> | | | |
| <u>L42</u> | 6342449 | 3 | <u>L42</u> |
| <u>L41</u> | L40 near10 opening | 1 | <u>L41</u> |
| <u>L40</u> | "50:1" near4 "aspect ratio" | 147 | <u>L40</u> |
| <u>L39</u> | L38 | 12 | <u>L39</u> |
| <u>L38</u> | 4560458 | 12 | <u>L38</u> |
| <u>L37</u> | 6693038 | 1 | <u>L37</u> |
| <u>L36</u> | 6342449 | 3 | <u>L36</u> |
| <u>L35</u> | 634449 | 10 | <u>L35</u> |
| <u>L34</u> | L32 | 0 | <u>L34</u> |
| <u>L33</u> | L32 | 0 | <u>L33</u> |
| <i>DB=USOC; PLUR=YES; OP=OR</i> | | | |
| <u>L32</u> | 6342449 | 0 | <u>L32</u> |
| <u>L31</u> | L30 | 0 | <u>L31</u> |

DB=TDBD; PLUR=YES; OP=OR

L30 L29

0 L30

DB=DWPI; PLUR=YES; OP=OR

L29 L28

0 L29

DB=EPAB; PLUR=YES; OP=OR

L28 L27

0 L28

DB=JPAB; PLUR=YES; OP=OR

L27 (contact or via) and L24

0 L27

DB=PGPB; PLUR=YES; OP=OR

L26 L25

0 L26

DB=USPT; PLUR=YES; OP=OR

L25 (contact or via) and L24

22 L25

L24 L23 and (form\$5 near5 conduct\$4 near6 etched)

25 L24

L23 (doped or diffused) same (lateral\$3 near5 etch\$5)

405 L23

L22 "etch ratio" and plasma and L7

6 L22

L21 L9 and "etch raio"

0 L21

L20 L17 same torr

24 L20

L19 L17 torr

59732 L19

L18 L17 same "mT"

0 L18

L17 L15 near10 fluorine

139 L17

L16 L15 near10 fluorine9

0 L16

L15 (plasma)near8 pressure

17721 L15

L14 L13 same fluorine

4 L14

L13 (forming near5 plasma)near8 pressure

554 L13

L12 L11 same (opening or hole or via)

12 L12

L11 (fluorine near5 gas) near7 ((etch\$4) near 10("titanium" or "titanium-nitride" or titanium compound" or titanium alloy"))

53 L11

L10 (fluorine near5 gas) near7 ((dielectric or insulat\$5) near5 (etch\$5)) near10 temperature

4 L10

L9 (fluorine near5 gas) near7 (etch\$5) near10 temperature

67 L9

L8 L7

507 L8

L7 (fluorine near5 gas) same (etch\$5) same temperature

507 L7

L6 6451705 and (etch\$5 near4 temperature)

2 L6

L5 L1 and (etch\$5 near14 temperature)

0 L5

L4 L1 and (etch\$5 near4 temperature)

0 L4

L3 L1 and temperature

4 L3

L2 L1and temperature

1305302 L2

L1 6720256

4 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|---------|-----------|
| 4560458 | 12 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L43

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set</u> <u>Name</u> | <u>Query</u> | <u>Hit</u> <u>Count</u> | <u>Set</u> <u>Name</u> result set |
|---------------------------------|-----------------------------|----------------------------|---|
| side by side | | | |
| <i>DB=USPT; PLUR=YES; OP=OR</i> | | | |
| <u>L43</u> | 4560458 | 12 | <u>L43</u> |
| <u>L42</u> | 6342449 | 3 | <u>L42</u> |
| <u>L41</u> | L40 near10 opening | 1 | <u>L41</u> |
| <u>L40</u> | "50:1" near4 "aspect ratio" | 147 | <u>L40</u> |
| <u>L39</u> | L38 | 12 | <u>L39</u> |
| <u>L38</u> | 4560458 | 12 | <u>L38</u> |
| <u>L37</u> | 6693038 | 1 | <u>L37</u> |
| <u>L36</u> | 6342449 | 3 | <u>L36</u> |
| <u>L35</u> | 634449 | 10 | <u>L35</u> |
| <u>L34</u> | L32 | 0 | <u>L34</u> |
| <u>L33</u> | L32 | 0 | <u>L33</u> |
| <i>DB=USOC; PLUR=YES; OP=OR</i> | | | |
| <u>L32</u> | 6342449 | 0 | <u>L32</u> |

Refine Search

Search Results -

| Terms | Documents |
|-------|-----------|
| L30 | 0 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L31

Refine Search

Recall Text

Clear

Interrupt

Search History

 DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|-----------------|--------------------------|------------------|-------------------------------|
| side by side | | | |
| | DB=USOC; PLUR=YES; OP=OR | | |
| <u>L31</u> | L30 | 0 | <u>L31</u> |
| | DB=TDDB; PLUR=YES; OP=OR | | |
| <u>L30</u> | L29 | 0 | <u>L30</u> |
| | DB=DWPI; PLUR=YES; OP=OR | | |
| <u>L29</u> | L28 | 0 | <u>L29</u> |
| | DB=EPAB; PLUR=YES; OP=OR | | |
| <u>L28</u> | L27 | 0 | <u>L28</u> |
| | DB=JPAB; PLUR=YES; OP=OR | | |
| <u>L27</u> | (contact or via) and L24 | 0 | <u>L27</u> |
| | DB=PGPB; PLUR=YES; OP=OR | | |
| <u>L26</u> | L25 | 0 | <u>L26</u> |
| | DB=USPT; PLUR=YES; OP=OR | | |
| <u>L25</u> | (contact or via) and L24 | 22 | <u>L25</u> |

| | | | |
|------------|---|---------|------------|
| <u>L24</u> | L23 and (form\$5 near5 conduct\$4 near6 etched) | 25 | <u>L24</u> |
| <u>L23</u> | (doped or diffused) same (lateral\$3 near5 etch\$5) | 405 | <u>L23</u> |
| <u>L22</u> | "etch ratio" and plasma and l7 | 6 | <u>L22</u> |
| <u>L21</u> | L9 and "etch raio" | 0 | <u>L21</u> |
| <u>L20</u> | L17 same torr | 24 | <u>L20</u> |
| <u>L19</u> | L17 torr | 59732 | <u>L19</u> |
| <u>L18</u> | L17 same "mT" | 0 | <u>L18</u> |
| <u>L17</u> | L15 near10 fluorine | 139 | <u>L17</u> |
| <u>L16</u> | L15 near10 fluorine9 | 0 | <u>L16</u> |
| <u>L15</u> | (plasma)near8 pressure | 17721 | <u>L15</u> |
| <u>L14</u> | L13 same fluorine | 4 | <u>L14</u> |
| <u>L13</u> | (forming near5 plasma)near8 pressure | 554 | <u>L13</u> |
| <u>L12</u> | L11 same (opening or hole or via) | 12 | <u>L12</u> |
| <u>L11</u> | (fluorine near5 gas) near7 ((etch\$4) near 10("titanium" or "titanium-nitride" or titanium compound" or titanium alloy")) | 53 | <u>L11</u> |
| <u>L10</u> | (fluorine near5 gas) near7 ((dielectric or insulat\$5) near5 (etch\$5)) near10 temperature | 4 | <u>L10</u> |
| <u>L9</u> | (fluorine near5 gas) near7 (etch\$5) near10 temperature | 67 | <u>L9</u> |
| <u>L8</u> | L7 | 507 | <u>L8</u> |
| <u>L7</u> | (fluorine near5 gas) same (etch\$5) same temperature | 507 | <u>L7</u> |
| <u>L6</u> | 6451705 and (etch\$5 near4 temperature) | 2 | <u>L6</u> |
| <u>L5</u> | L1 and (etch\$5 near14 temperature) | 0 | <u>L5</u> |
| <u>L4</u> | L1 and (etch\$5 near4 temperature) | 0 | <u>L4</u> |
| <u>L3</u> | L1 and temperature | 4 | <u>L3</u> |
| <u>L2</u> | L1and temperature | 1305302 | <u>L2</u> |
| <u>L1</u> | 6720256 | 4 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
|--------------------------------|-----------|
| "etch ratio" and plasma and L7 | 6 |

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L22

Search History

DATE: Wednesday, May 04, 2005 [Printable Copy](#) [Create Case](#)

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---------------------------------|---|------------------|-------------------------------|
| | <i>DB=USPT; PLUR=YES; OP=OR</i> | | |
| <u>L22</u> | "etch ratio" and plasma and 17 | 6 | <u>L22</u> |
| <u>L21</u> | L9 and "etch raio" | 0 | <u>L21</u> |
| <u>L20</u> | L17 same torr | 24 | <u>L20</u> |
| <u>L19</u> | L17 torr | 59732 | <u>L19</u> |
| <u>L18</u> | L17 same "mT" | 0 | <u>L18</u> |
| <u>L17</u> | L15 near10 fluorine | 139 | <u>L17</u> |
| <u>L16</u> | L15 near10 fluorine9 | 0 | <u>L16</u> |
| <u>L15</u> | (plasma)near8 pressure | 17721 | <u>L15</u> |
| <u>L14</u> | L13 same fluorine | 4 | <u>L14</u> |
| <u>L13</u> | (forming near5 plasma)near8 pressure | 554 | <u>L13</u> |
| <u>L12</u> | L11 same (opening or hole or via) | 12 | <u>L12</u> |
| <u>L11</u> | (fluorine near5 gas) near7 ((etch\$4) near 10("titanium" or "titanium-nitride" or titanium compound" or titanium alloy")) | 53 | <u>L11</u> |

| | | | |
|------------|--|---------|------------|
| <u>L10</u> | (fluorine near5 gas) near7 ((dielectric or insulat\$5) near5 (etch\$5)) near10 temperature | 4 | <u>L10</u> |
| <u>L9</u> | (fluorine near5 gas) near7 (etch\$5) near10 temperature | 67 | <u>L9</u> |
| <u>L8</u> | L7 | 507 | <u>L8</u> |
| <u>L7</u> | (fluorine near5 gas) same (etch\$5) same temperature | 507 | <u>L7</u> |
| <u>L6</u> | 6451705 and (etch\$5 near4 temperature) | 2 | <u>L6</u> |
| <u>L5</u> | L1 and (etch\$5 near14 temperature) | 0 | <u>L5</u> |
| <u>L4</u> | L1 and (etch\$5 near4 temperature) | 0 | <u>L4</u> |
| <u>L3</u> | L1 and temperature | 4 | <u>L3</u> |
| <u>L2</u> | L1and temperature | 1305302 | <u>L2</u> |
| <u>L1</u> | 6720256 | 4 | <u>L1</u> |

END OF SEARCH HISTORY

| | | |
|--|---------|------------|
| <u>L30</u> L29 | 0 | <u>L30</u> |
| <i>DB=DWPI; PLUR=YES; OP=OR</i> | | |
| <u>L29</u> L28 | 0 | <u>L29</u> |
| <i>DB=EPAB; PLUR=YES; OP=OR</i> | | |
| <u>L28</u> L27 | 0 | <u>L28</u> |
| <i>DB=JPAB; PLUR=YES; OP=OR</i> | | |
| <u>L27</u> (contact or via) and L24 | 0 | <u>L27</u> |
| <i>DB=PGPB; PLUR=YES; OP=OR</i> | | |
| <u>L26</u> L25 | 0 | <u>L26</u> |
| <i>DB=USPT; PLUR=YES; OP=OR</i> | | |
| <u>L25</u> (contact or via) and L24 | 22 | <u>L25</u> |
| <u>L24</u> L23 and (form\$5 near5 conduct\$4 near6 etched) | 25 | <u>L24</u> |
| <u>L23</u> (doped or diffused) same (lateral\$3 near5 etch\$5) | 405 | <u>L23</u> |
| <u>L22</u> "etch ratio" and plasma and l7 | 6 | <u>L22</u> |
| <u>L21</u> L9 and "etch raio" | 0 | <u>L21</u> |
| <u>L20</u> L17 same torr | 24 | <u>L20</u> |
| <u>L19</u> L17 torr | 59732 | <u>L19</u> |
| <u>L18</u> L17 same "mT" | 0 | <u>L18</u> |
| <u>L17</u> L15 near10 fluorine | 139 | <u>L17</u> |
| <u>L16</u> L15 near10 fluorine9 | 0 | <u>L16</u> |
| <u>L15</u> (plasma)near8 pressure | 17721 | <u>L15</u> |
| <u>L14</u> L13 same fluorine | 4 | <u>L14</u> |
| <u>L13</u> (forming near5 plasma)near8 pressure | 554 | <u>L13</u> |
| <u>L12</u> L11 same (opening or hole or via) | 12 | <u>L12</u> |
| <u>L11</u> (fluorine near5 gas) near7 ((etch\$4) near 10("titanium" or "titanium-nitride" or titanium compound" or titanium alloy")) | 53 | <u>L11</u> |
| <u>L10</u> (fluorine near5 gas) near7 ((dielectric or insulat\$5) near5 (etch\$5)) near10 temperature | 4 | <u>L10</u> |
| <u>L9</u> (fluorine near5 gas) near7 (etch\$5) near10 temperature | 67 | <u>L9</u> |
| <u>L8</u> L7 | 507 | <u>L8</u> |
| <u>L7</u> (fluorine near5 gas) same (etch\$5) same temperature | 507 | <u>L7</u> |
| <u>L6</u> 6451705 and (etch\$5 near4 temperature) | 2 | <u>L6</u> |
| <u>L5</u> L1 and (etch\$5 near14 temperature) | 0 | <u>L5</u> |
| <u>L4</u> L1 and (etch\$5 near4 temperature) | 0 | <u>L4</u> |
| <u>L3</u> L1 and temperature | 4 | <u>L3</u> |
| <u>L2</u> L1and temperature | 1305302 | <u>L2</u> |
| <u>L1</u> 6720256 | 4 | <u>L1</u> |

END OF SEARCH HISTORY